Review Worksheet-Algebra Concepts Name:

1. In your own words, what is a variable?
2. What is the difference between an equation and an expression in Algebra?

Solve for x.

1. 2x + 5 = 15
2. 6x + 5 – 2x = 8x – 20
3. 2(x+4) = 5x + 14
4. 3x+10>28
5. |x+1|=5
6. 3x+1>6x+10
7. |x+1|>3
8. 3x-4<-2x+6

Solve the following quadratics.

1. x2 - 5x - 24 = 0
2. x2 - 12x + 20 = 0
3. x2 - x - 2 = 0
4. x2 - 19x + 88 = 0

Graph the following.

1. y=x 2 + 7x + 12



1. y=x2 + 11x + 30



1. y=x2 - 8x - 33



1. y=x2 + 15x + 50

